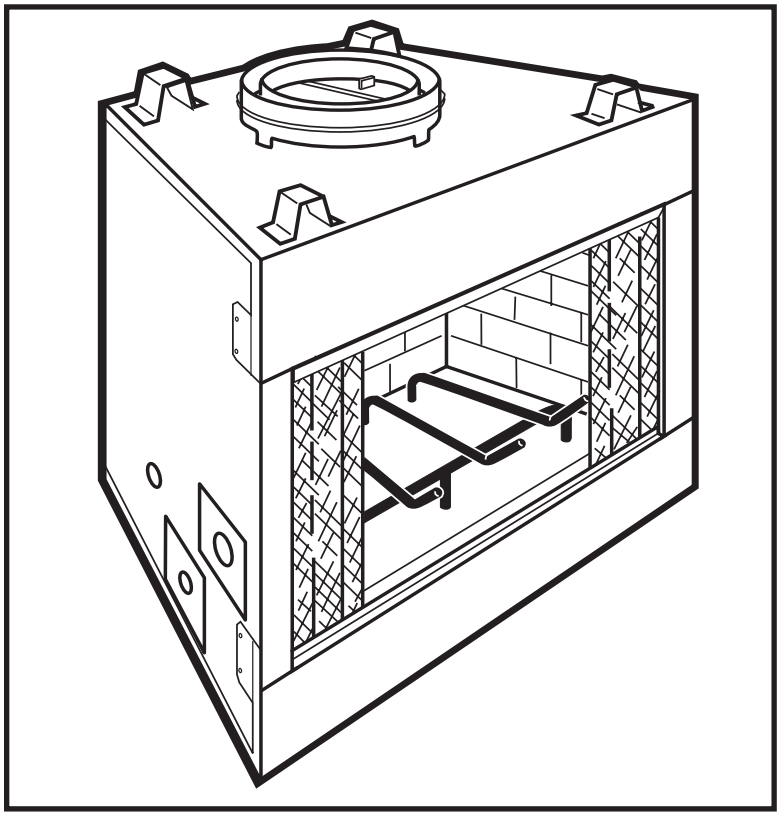
MAJESTIC
FIREPLACES

ODSR Series "A"

Outdoor Woodburning Fireplace



Homeowner's Installation and Operating Manual

For Models:

ODSR36A
ODSR42A

c UL US
LISTED
For use in U.S./Canada
Underwriter's Laboratories Report No. MH6018

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We recommend that our woodburning hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Woodburning Specialists or who are certified in Canada by Wood Energy Technical Training (WETT).

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DO NOT DISCARD THIS MANUAL - Retain for future use.

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ODSR36A / ODSR42A
Listed
UL 127 / ULC-S610
Standard for Factory Built Fireplaces

Units: GF1SR6, GF1SR2

Safety Information

PLEASE READ THIS MANUAL BEFORE INSTALLING AND USING FIREPLACE.

IMPORTANT: Read all instructions and warnings carefully before starting installation. Failure to follow these instructions may result in a possible fire hazard and will void the warranty.

NOTE: These units are intended for outdoor use in the United States and Canada using the 'SK' chimney system. These units may also be used outdoors in the United States and Canada using the 'S' chimney system with an adapter. These units may also be used indoors.

Description

The ODSR Series "A" fireplaces are clean-faced, solid fuel, woodburning fireplaces.

Precautions

Majestic Fireplaces and component parts have been highly tested and will operate safely when installed in accordance with instructions provided in this manual. Carefully read and understand all instructions **before** beginning installation.

If you notice any damage to fireplace or component parts, immediately report damage to your Majestic Fireplaces dealer.

Only use CFM Corporation components or the warranty will be voided and a fire hazard may be created.

CFM Corporation warranty will be voided by and CFM Corporation disclaims any responsibility for the following actions:

- **Installation of any damaged fireplace or chimney component;**
- **Modification of fireplace, chimney assembly or any component parts thereof; (except for chase flashings as detailed in CFM Corporation Chimney Top installation instructions).**
- **Installation other than as instructed by CFM Corporation; or**
- **Installation and/or use of any component part not manufactured or approved by CFM Corporation in combination or assembly with a CFM Corporation fireplace system, notwithstanding any independent testing laboratory or other third party approval of such component parts or accessory.**

Any such action may possibly cause a fire hazard.

Consult local building codes to ensure that you are in compliance **before** installing the fireplace.

Fireplaces must be vented to the out-of-doors.

WARNING: To avoid the risk of damaging fireplace materials and increasing the risk of spreading a fire, do not use the fireplace to cook or warm food.

Do not obstruct or modify air inlets/outlets in any manner.

Do not install combustible materials on any of the fireplace surround.

Burn only solid wood fuel or gas logs.

Do not install a solid fuel burning insert or other products not specified for use with this fireplace.

These fireplaces are not approved for installation in mobile homes.

This fireplace is not designed to be water tight. Therefore, when installing this unit against an exterior wall, the wall must be finished before setting unit in place.

Proposition 65 Warning: Fuels used in gas, woodburning or oil fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.
California Health & Safety Code Sec. 25249.6

Drafts

The fireplace should not be located in areas that create drafts (ie: frequently opened doors and central heating air inlets/outlets) that hamper the normal flow of air into the fire.

Gas Logs

If you plan to install a gas log, the gas line should be installed before framing the fireplace. The gas line must be installed by a certified gas line installer.

Cleaning

There are three methods of cleaning the polished stainless steel of your outdoor fireplace;

1. Warm, soapy water - to loosen any dirt film
2. Glass cleaner with ammonia
3. Stainless steel cleaner available at hardware stores

Regardless of which method is used, remember that anything with too much abrasive may dull the finish.

ODSR36A Series Woodburning Fireplace

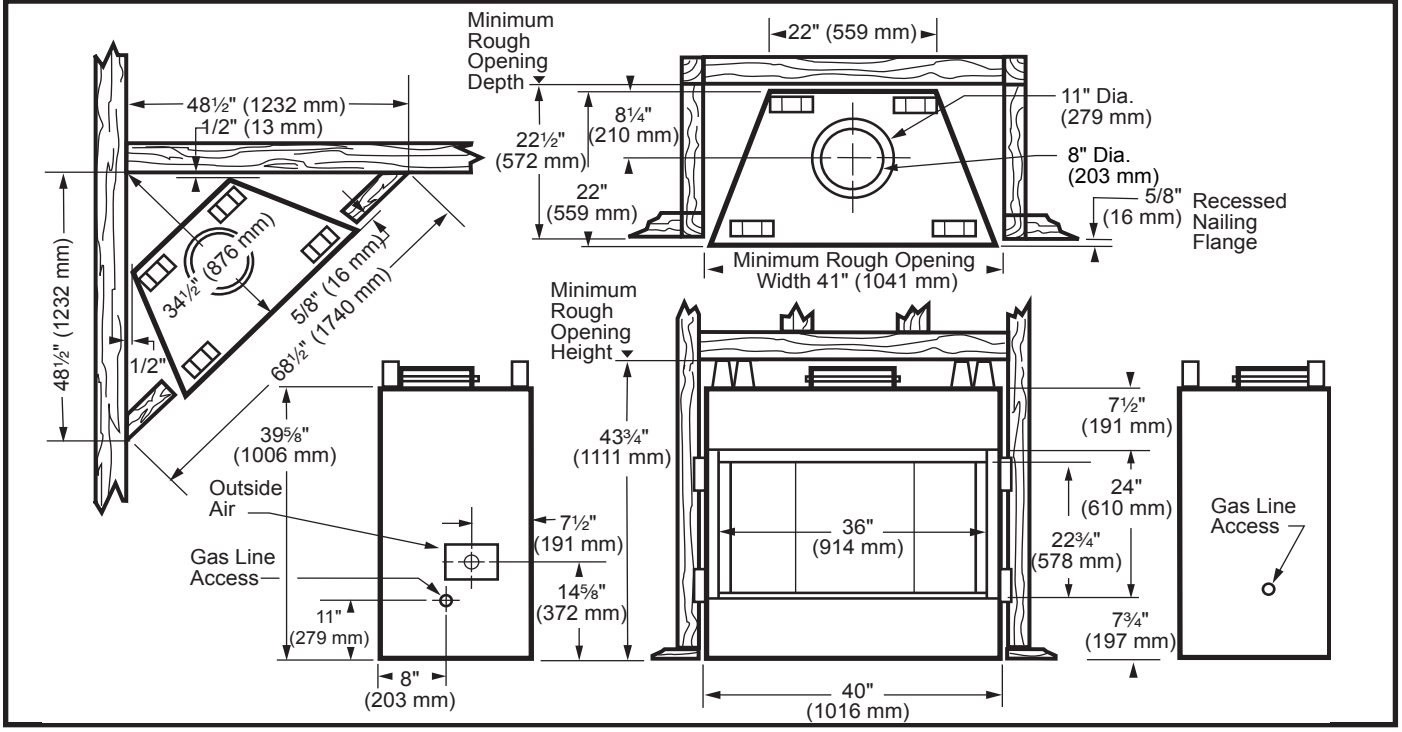


Fig. 1 ODSR36A specifications and framing.

ODSR42A Woodburning Fireplace — Circulating Model

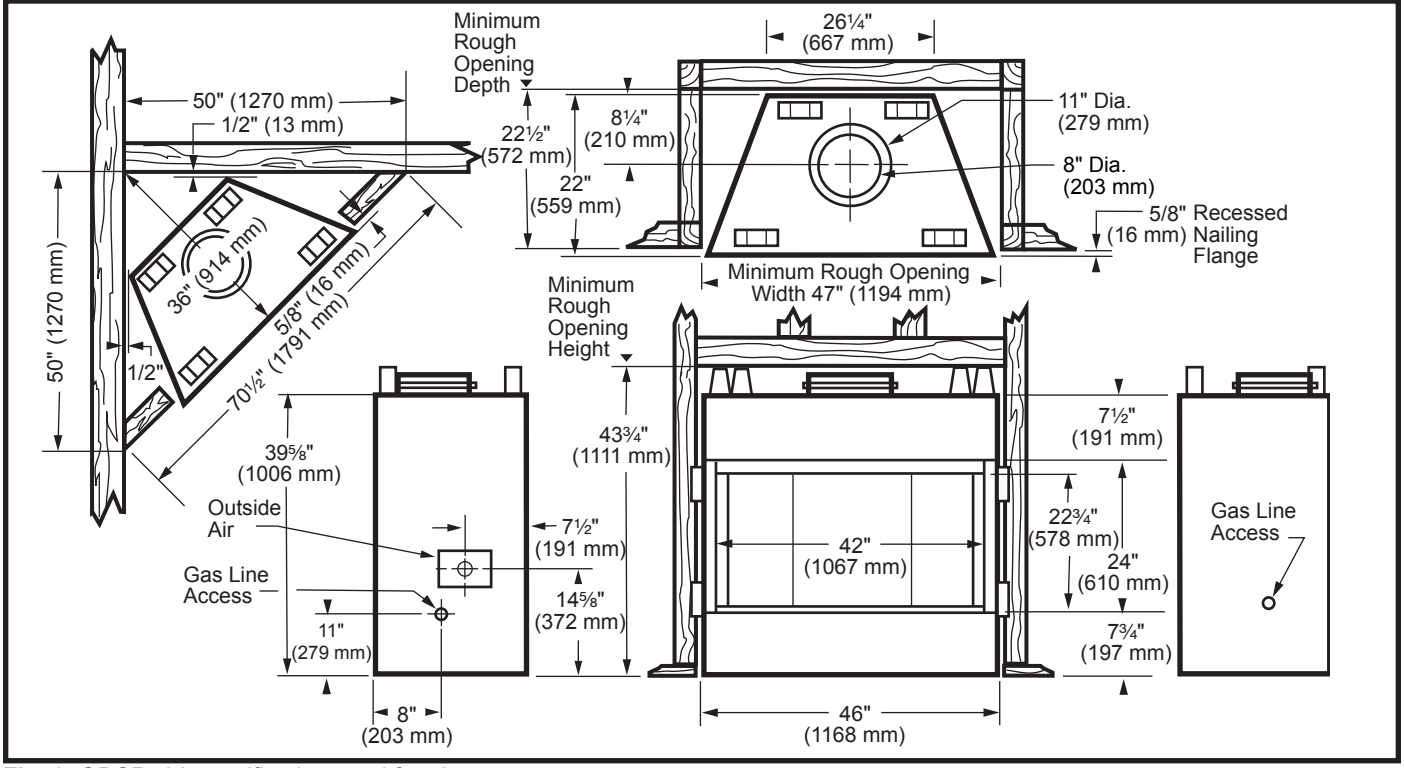
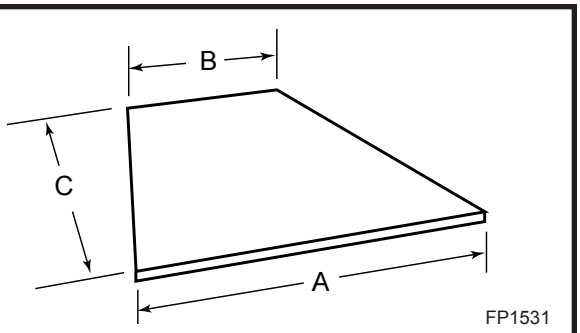


Fig. 2 ODSR42A specifications and framing.



	Front Width A	Back Width B	Depth C
ODSR36A	31⅛" (791 mm)	19⅞" (505 mm)	15½" (394 mm)
ODSC42A	36¾" (934 mm)	22⅞" (581 mm)	15½" 394 mm)

Fig. 3 Hearth dimensions.

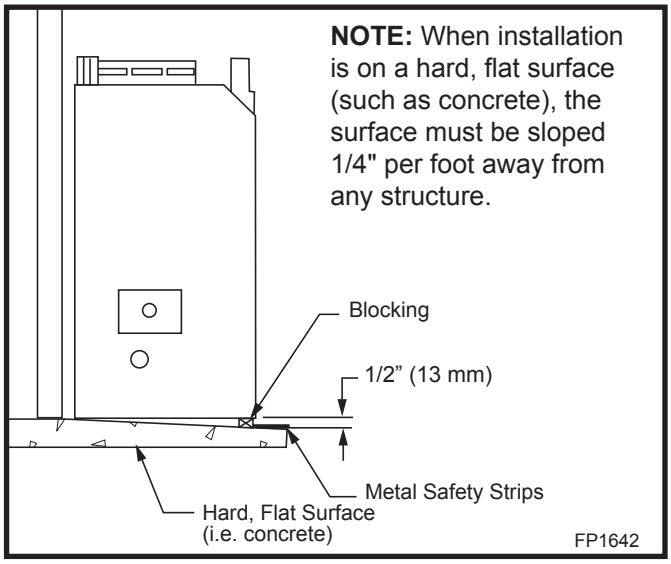
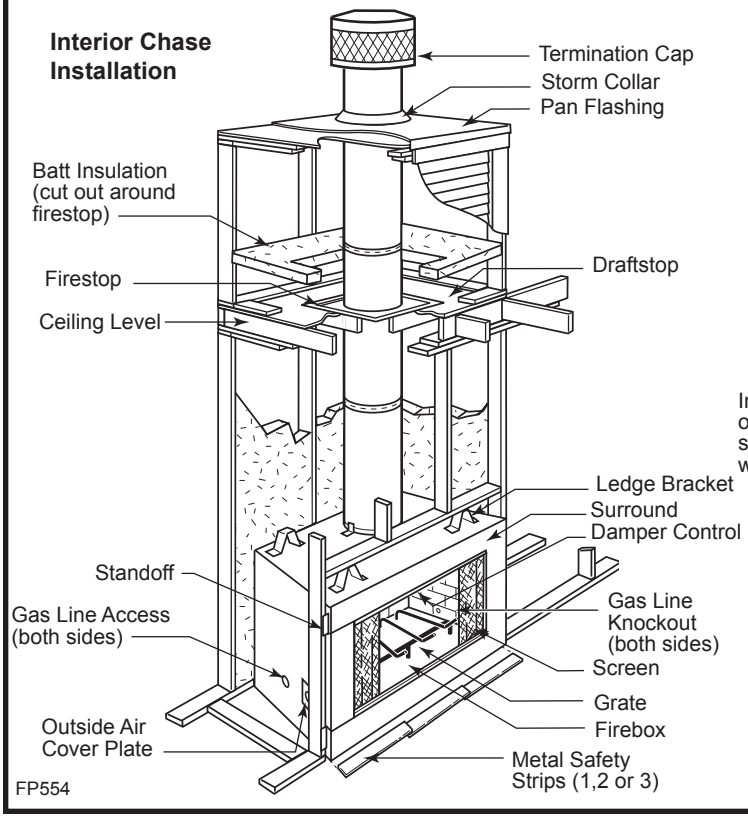

NOTE: When installation is on a hard, flat surface (such as concrete), the surface must be sloped 1/4" per foot away from any structure.
Blocking
1/2" (13 mm)
Metal Safety Strips
Hard, Flat Surface (i.e. concrete)
FP1642

Fig. 4 Exterior chase installation.

Chase Installation

Insulation methods shown are optional for cold climate, not a requirement for unit operation or exterior installation .



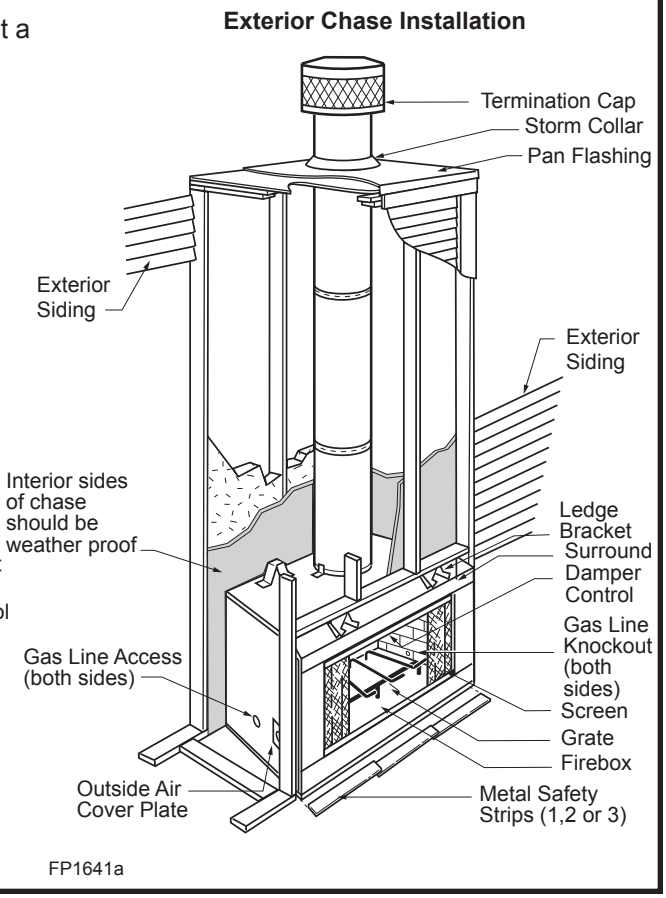


Fig. 5 Fireplace and chase parts identification.

NOTE: If the fireplace is a freestanding unit, it must be located a minimum of 10' (3 m) from the opening of the firebox to a combustible structure.
A minimum height of 6'4" (1.9 m) measured from the base of the firebox to the bottom of the termination cap is permitted.

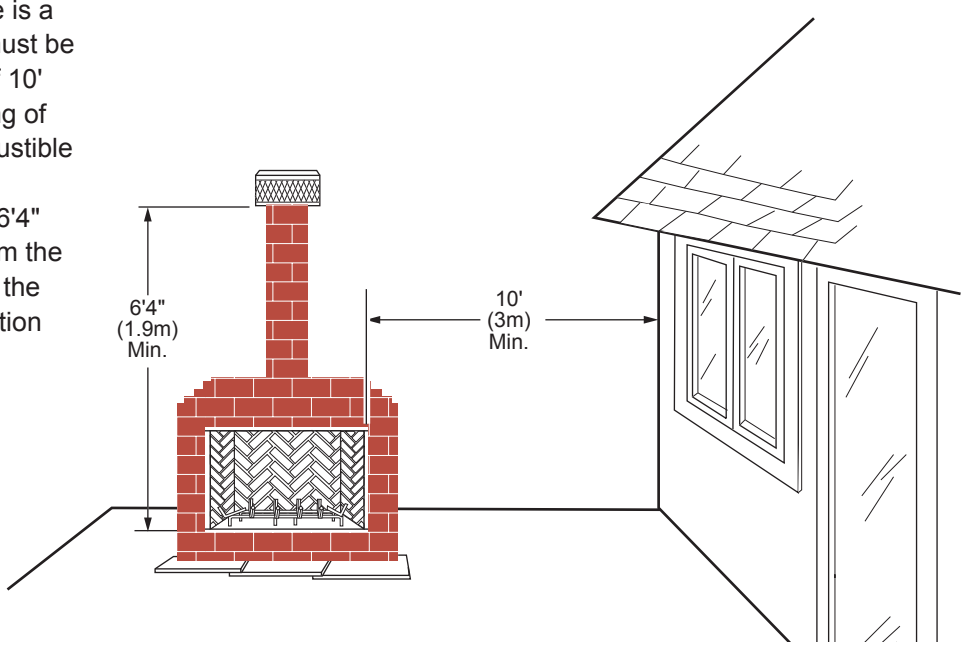
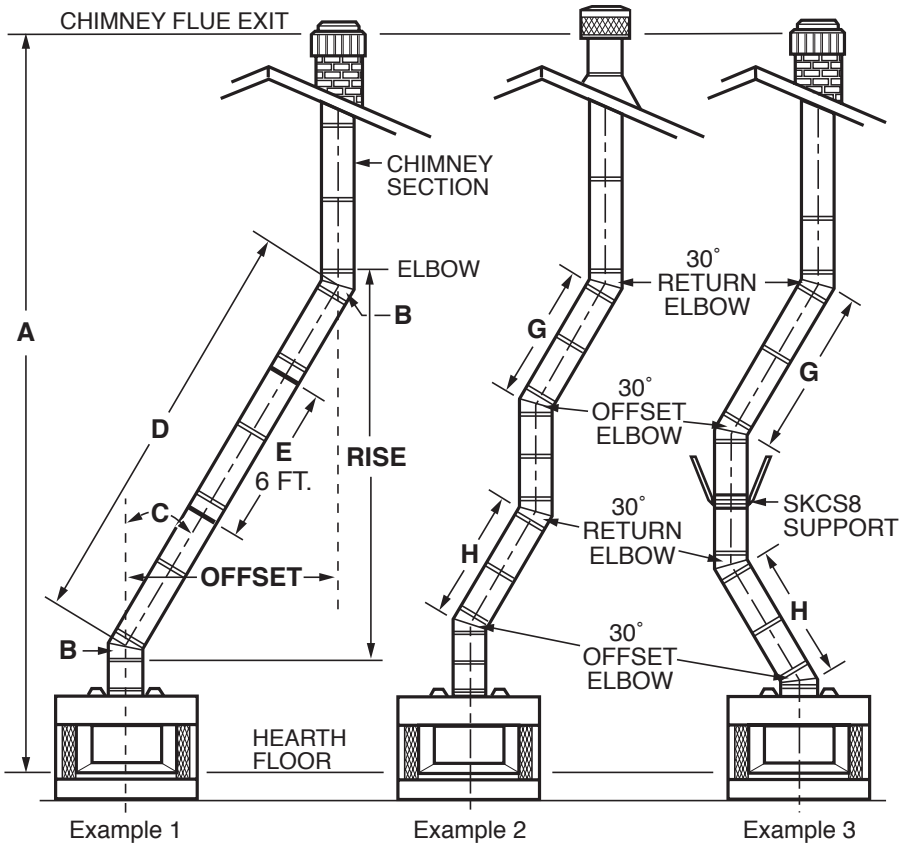


Fig. 6 Freestanding installation.

Chimney Requirements - Offset Installations



Notes: G + H cannot exceed 20 feet.
Air Space Clearances: SK8 (2-wall) = 1½" and "S" Series (3-wall) = 2"

Illustration Key

The following safety rules apply to offset installations (letters correspond with illustration above):

A. Height of the chimney is measured from the hearth to the chimney exit.

	ODSR36A	ODSR42A
Maximum:	90'0"	90'0"
Minimum:		
Without Elbows	12' 6"	12' 6"
With 2 Elbows*	14' 6"	14' 6"
With 4 Elbows*	21' 0"	21' 0"

B. Do not use more than 4 elbows per chimney.

Attach the straps of the return (top) elbow to a structural framing member.

The offset (first) elbow of any pair does not have straps.

* In Canada, two (2) SK845 are allowed.

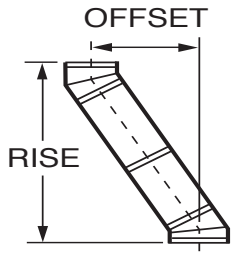
C. The chimney cannot be more than 30˚ (45˚ in Canada) from the vertical plane in any installation*.

D. The maximum length of the angled run of the **total** chimney system is 20 feet. (G plus H cannot exceed 20 feet.)

E. A chimney support (Model SKCS8) is required every 6 feet of angled run of chimney. Chimney supports are required for every 30 feet and 60 feet (SK8 pipe) or 20 feet and 40 feet (3-wall pipe) of vertical chimney height above the hearth.

Determine the offset distance of your chimney arrangement from the centerline of the fireplace to the centerline of the chimney where it is to pass through the first ceiling.

NOTE: This offset distance may not be your full offset distance. See Examples 2 and 3.



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30˚ Elbow Offsets

1'	1½'	3'	4'	Chimney Support	Offset	Rise
0	0	0	0	0	3"	11"
1	0	0	0	0	8¼"	20"
0	1	0	0	0	11¼"	25¼"
2	0	0	0	0	13½"	29¼"
1	1	0	0	0	16½"	34¼"
0	0	1	0	0	20¼"	40¾"
2	1	0	0	0	21¾"	43½"
0	0	0	1	0	26¼"	51¼"
0	1	1	0	0	28½"	55¼"
1	0	0	1	0	31½"	60¼"
0	1	0	1	0	34½"	65½"
0	0	2	0	0	37½"	70¾"
1	1	0	1	1	41½"	77¾"
0	0	1	1	1	45"	83¾"
0	1	2	0	1	47¼"	87½"
0	0	0	2	1	51"	94"
0	1	1	1	1	53¼"	98"
0	0	3	0	1	56¼"	103¼"
0	1	0	2	1	59¼"	108½"
0	0	2	1	1	62¼"	113½"
0	1	3	0	1	64½"	117½"
0	0	1	2	1	68¼"	124"
0	1	2	1	1	70½"	128"
0	0	0	3	1	74¼"	134½"
0	1	1	2	2	78"	140¾"
0	0	3	1	2	81"	146"
0	1	0	3	2	84"	151¼"
0	0	2	2	2	87"	156½"
0	1	3	1	2	89¼"	160¼"
0	0	1	3	2	93"	166¾"
0	1	2	2	2	95¼"	170¾"
0	0	0	4	2	99¼"	177¾"
0	1	1	3	2	101¼"	181¾"
0	0	3	2	2	104¼"	186¼"
0	1	0	4	2	107¼"	191½"
0	0	2	3	2	110¼"	196¾"
0	1	3	2	3	114"	203¼"
0	0	1	4	3	117¾"	209¾"
0	1	2	3	3	120"	213½"
0	0	0	5	3	123¾"	220"

Fig. 7 Chimney system requirements.

Planning Information

Preplanning an installation is very important to ensure safety and to save time and money. An installer must predetermine where a fireplace will be set and how the chimney system will be run.

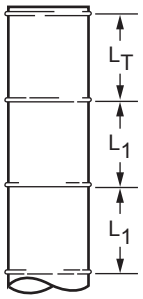
Mounting the Fireplace

A fireplace may only be mounted on the following surfaces:

1. A flat combustible surface.
2. A raised wooden platform.
3. A concrete block or other solid object placed beneath each of the four (4) corners of the fireplace.

The fireplace **must** be spaced 1/2" (13 mm) from a combustible back wall and 1/2" (13 mm) from a combustible side wall or support. (Page 21, Fig. 21)

Planning the Chimney Run



MODEL SK 2 WALL CHIMNEY	TOTAL LENGTH (L_T)	INSTALLED LENGTH (L_1)
SK81	11½"	10½"
SK818	17½"	16½"
SK83	35½"	34½"
SK84	47½"	46½"

WF288

Fig. 8 Installed lengths of chimney sections.

Determine how the chimney will be run, length of run and chimney components required to complete the job. (Fig. 6) **Never** install a chimney below minimum heights.

In planning a chimney system, it is important to know:

1. The height of a chimney is measured from the hearth to the exit point on the termination.
2. A chimney cannot be offset more than 30° from a vertical plane.
3. A chimney may run straight up or it may be necessary to offset it to avoid obstructions.
4. The maximum length of an angled run (total chimney system) is 20' (6 m).
5. No more than 2 offsets (4 total 30° elbows in U.S./or 2 total 45° elbows in Canada) per fireplace may be used.
6. A guy wire stabilizer is required for chimneys extending more than 6' (1.8 m) above a roof line.

The Ten Foot Rule

Major U.S. building codes specify a minimum chimney height above the roof top. The “Ten Foot Rule” is a fire safety rule and not a draft rule. To ensure proper draft, it is recommended that you always meet or exceed the “Ten Foot Rule,” especially when installing a termination on a high pitch roof. (Fig. 9)

The key points of the "Ten Foot Rule" are:

1. If the horizontal distance from the chimney to the peak of the roof is 10' (3 m) or less, the top of the chimney must be at least 2' (610 mm) above the peak of the roof, but never less than 3' (914 mm) in height above the highest point where it passes through the roof.
2. If a horizontal distance from the chimney to the peak of the roof is more than 10' (3 m), a chimney height reference point is established on the surface of the roof a distance of 10' (3 m) from the chimney in a horizontal plane. The top of the chimney must be at least 2' (610 mm) above the reference point, but never less than 3' (614 mm) in height above the highest point where it passes through the roof.

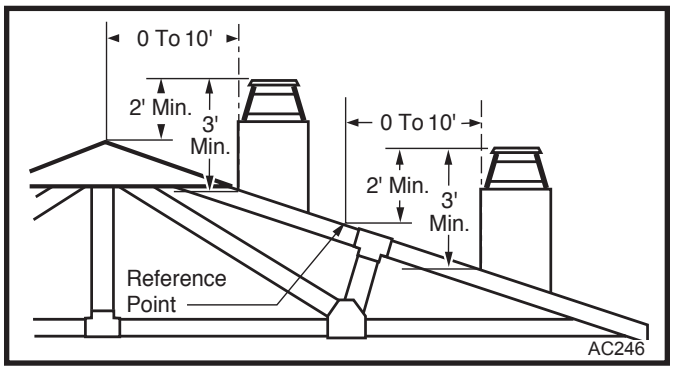


Fig. 9 Ten Foot Rule illustration.

Chimney Supports

The chimney system is supported by the fireplace for vertical chimney heights less than 30' (9 m) above the hearth. Chimney supports are required if the vertical height exceeds 30' (9 m) with SK8 chimneys or 20' (6 m) with 3-wall chimneys. Locate chimney supports at ceiling holes or other structural framing at 30' (9 m) (SK8) or 20' (6 m) (3-wall) heights. Spacing between chimney supports **must not** exceed 30' (9 m) (SK8) or 20' (6 m) (3-wall). Use Chimney Support Model SKCS8. **(NOTE: The SKCS8 can not be mounted directly to the fireplace.)** Support provided by elbow straps fulfills the support requirement only if they are spaced as previously described. (A chimney support is 2½" (64 mm) long when installed.)

Angled chimney runs require a support every 6' (1.8 m) in addition to the elbow straps. Chimney supports are used for this function. (Fig. 10)

Chase Installation

A chase is a vertical boxlike structure which encloses the fireplace and/or chimney. Chases are typically built on the outside of the house with fireplace opening cut into the outer wall of a room. (Page 5, Fig. 5)

If you need help in determining fireplace location or how the chimney system should be run, contact your Majestic Fireplaces dealer for assistance.

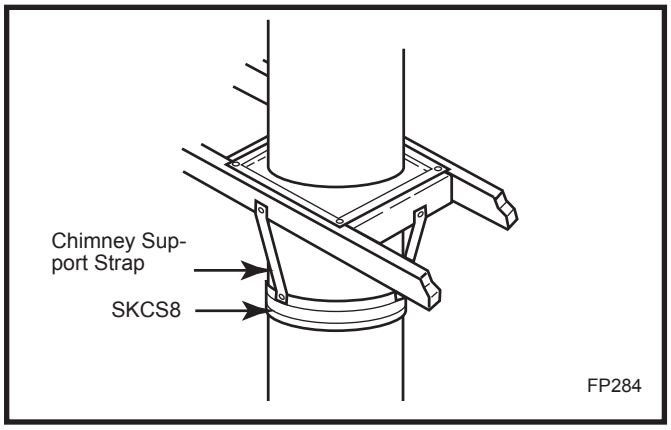


Fig. 10 Chimney support installation

Installation

Insulating Fireplace Enclosure for Cold Climates

If you live in a cold climate, it is not required but **highly recommended** that you insulate fireplace enclosure to eliminate cold air penetration as much as possible.

Insulate base of fireplace with a noncombustible insulation rated for a minimum of 300°F. Insulating is **very important** for outside wall installations over a concrete slab. If fireplace is installed on a platform, insulation should be placed on top of the platform **before** fireplace is set. (Fig. 11)

When a fireplace is installed in a chase or on an outside wall, enclosure should be treated like any outside wall in a home. Insulation should be installed on the inside wall as well as the outside wall(s). In a chase, it is also a good idea to install a firestop at the first ceiling level above the fireplace and enclose the chase with sheeting material. Insulation may then be installed above sheeting material to assure the space around the fireplace is totally protected. (Fig. 5)

When installing the chimney, **DO NOT** caulk between outer pipe and firestop. It is vital that some air be allowed to flow through this very thin gap.

CAUTION: WHEN INSTALLING A FIREPLACE IN AN INSULATED ENCLOSURE, BE SURE ALL REQUIRED AIR SPACES ARE MAINTAINED. (Page 21, Fig. 21)

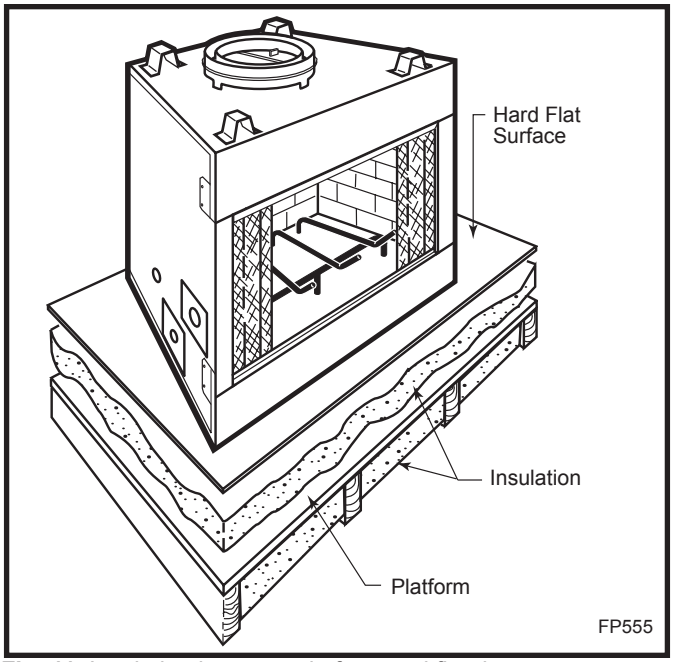


Fig. 11 Insulating between platform and fireplace.

Framing

Framing can be constructed before or after the fireplace is set in place, however, most installers build the frame before setting the fireplace.

Frame fireplace with 2 x 4 lumber or heavier materials. Refer to framing dimensions in Figures 1, 2, 3 or 4 for basic fireplace specifications.

NOTE: Framing should be positioned to accommodate wall covering and fireplace facing material.

Chimney Setup

Since you have already preplanned the chimney run, you should know exactly how the installation is to be accomplished — how much pipe is required, the number of elbows, if any, and type of termination to be used.

CAUTION: REPORT TO YOUR DEALERS ANY PARTS DAMAGED IN SHIPMENT, SPECIFICALLY CHECK THE END CONNECTION OF CHIMNEY SECTIONS AND ELBOWS.

NOTE: Fireplaces may use CFM Corporation model SK8, or Model S (three wall) chimney systems. The ODSR Series "A" Fireplace will accept the SK8 chimney system as is; but a TWABR adapter collar is required when using the Model S (triple wall) chimney system. The installation procedure described in this manual applies **only** to the SK8 system. Either chimney system may be used, but **may not** be mixed.

Straight-Up Chimney Installation

To mark the centerline of the flue, put the fireplace in final position and measure out from the wall: 9¼" (235 mm). Mark a spot on the ceiling directly above the fireplace. Draw a line parallel to the back wall through this mark. (Fig. 12)

Using a plumb bob positioned directly over center point of fireplace flue collar, mark the ceiling to establish the chimney center point. (Fig. 12)

Offset Installation

In order to clear an obstruction, it may be necessary to offset chimney from vertical. This is accomplished by using CFM Corporation elbows. Use the *30° Offset Elbow* table on Page 5 to determine proper offset and parts required.

Each offset requires two (2) elbows. The second elbow is equipped with support straps. It is very important to install the second elbow in each offset as close to the ceiling or support as possible so that the elbow straps can be secured to framing members to help support the weight of the chimney.

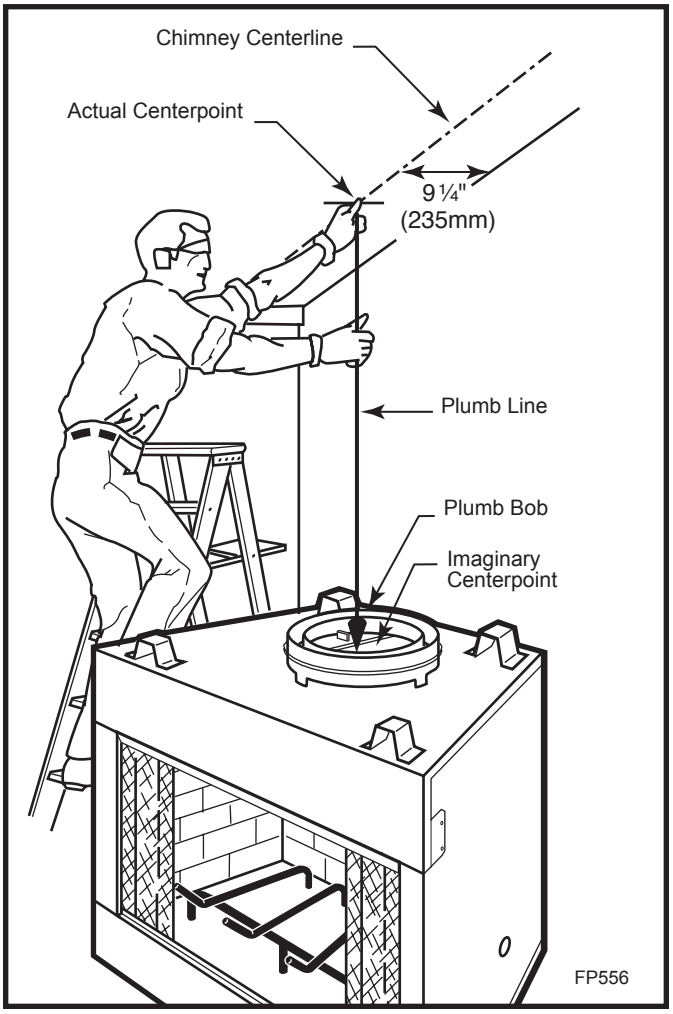


Fig. 12 Locate centerline of chimney with plumb line.

Determine offset distance of your chimney arrangement from centerline of fireplace to centerline of chimney where it is to pass through ceiling.

Locate center point of the chimney on ceiling as though a straight up chimney arrangement is to be used. Measure your offset dimension from straight up chimney center point on ceiling.

Ceiling Chimney Hole/ Possible Obstructions

The size of the hole in ceiling will vary with the angle at which the chimney passes through ceiling.

Drive a nail up through ceiling at marked chimney center point. Go to floor above and see where hole will be cut. Check to see where existing ceiling joists and other possible obstructions are located...i.e. wiring, plumbing etc... If necessary, reposition chimney and/or fireplace to avoid obstructions.

Cutting the Hole

Cover fireplace collar opening and cut proper sized chimney hole in chimney. The SK8 pipe allows you to run pipe through a typical 16” on center joist without cutting joists.

Framing the Ceiling Hole

Frame the ceiling chimney hole as shown in Figure 14. It is good practice to use framing lumber that is the same size as the ceiling joists; this is a requirement at attic level.

The following table gives firestop spacer model numbers:

Size of Chimney	Angle of Chimney at Ceiling	
	Vertical	**30°**
8" Flue "SK" Series	SKFS2A 14½" x 14½" (368mm x 368mm)	SKFS6A 14½" x 25½" (368mm x 648mm)
8" Flue "S" Series 3-Wall	FS2A 17½" x 17½" (445mm x 445mm)	FS6A 17⅞" x 29⅝" (454mm x 753mm)

Fig. 13 Ceiling chimney hole sizes necessary for installing firestop spacer.

The **inside dimension** of the frame **must be** the same as the hole size selected from Figure 13 in order to provide required the 1½" (38 mm) of air space between the outside diameter of the chimney and the edges of the framed ceiling hole.

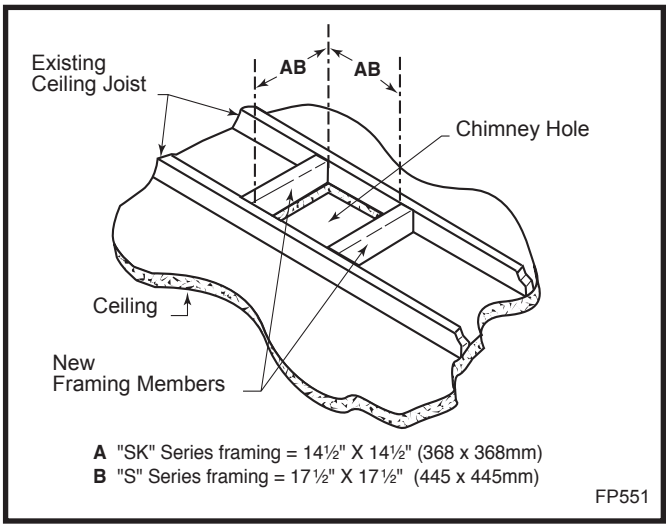


Fig. 14 Typical frame for ceiling chimney hole.

Positioning, Safety Strips, Securing the Fireplace

Slide fireplace into position.

Lift the fireplace front slightly and slide the metal safety strips under front bottom edge about 1½" (38 mm), allowing the remainder to extend in front of firebox. Overlap strips at least 1/2" (13 mm) to provide a positive joint. (Flat safety strips are packed with fireplace.) (Fig. 15)

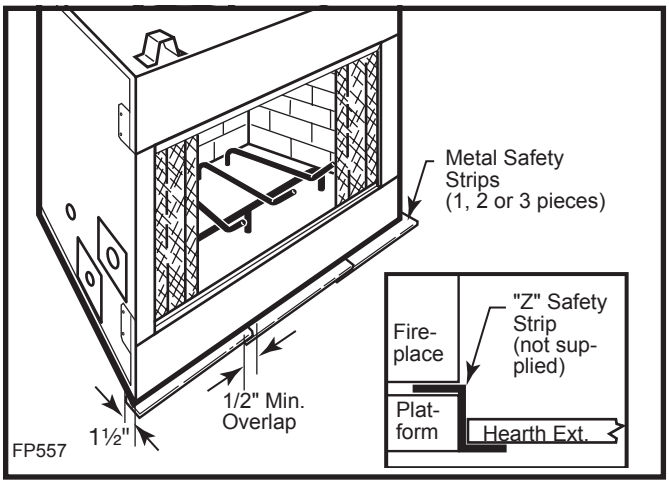


Fig. 15 Safety strip installation.

Safety strips are used to ensure that any combustible materials in front of the fireplace are protected even though a noncombustible hearth extension is required.

If fireplace is to be elevated above the floor, a “Z” shaped metal safety strip must be fabricated and used to protect combustible surfaces in front of the fireplace. This “Z” shaped safety strip is not provided but must be fabricated of metal with each horizontal leg at least 1½" (38 mm) wide and equal in length to the metals strips provided with the fireplace.

NOTE: Safety strips are not required over noncombustible floors where all supports at the base of the fireplace are noncombustible.

Four (4) nailing flanges are incorporated on each corner of the surround. Bend the nailing flanges out, level the box, then secure it firmly in place by nailing the flanges to the framing members as shown in Figure 16.

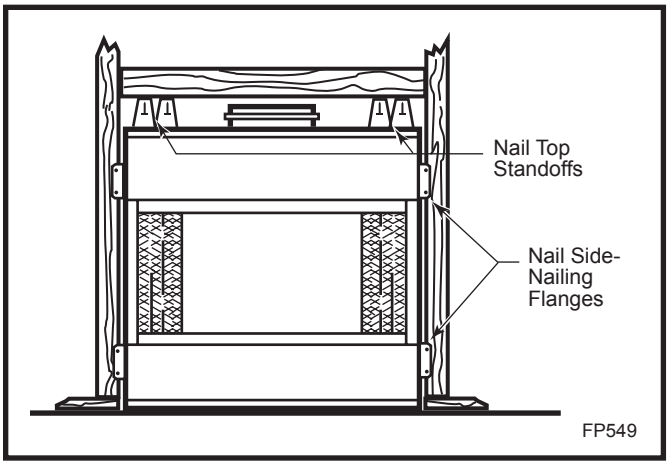


Fig. 16 Fasten fireplace in position.

Installing Outside Air Kit

An outside air kit is not installed in all ODSR Series "A" Fireplaces. If desired, or if local codes mandate the use of an air kit, then an AKU1 is required . If the outside air kit is to be used, the AKU1 **MUST** be installed **BEFORE** the fireplace is enclosed. Refer to the AKU1 instructions for field installation.

Installing the Chimney System

Start by attaching the first chimney section to the collar on top of the fireplace.

Install the pipe as pictured in Figure 17. When you get a good lock, you will hear the pipe clearly snap together. Once sections are snap-locked in place, it is extremely difficult to get them apart. **Make sure the pipe is firmly snapped and locked together as each pipe section is mounted.**

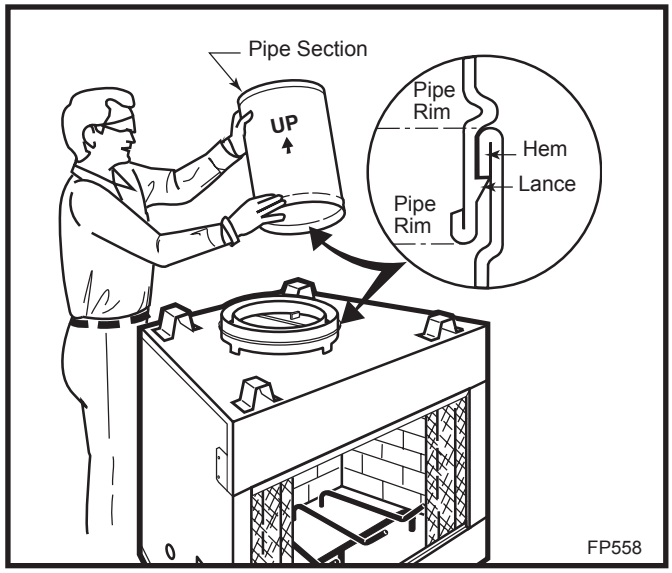


Fig. 17 Install pipe, listening for the snap-lock to fasten.

When installing elbows, only outer pipe will snap-lock. Middle pipes simply slide into position. Be sure to always attach straps on upper elbow to a structural framing member. (Fig. 18)

Continue installing the pipe as required until pipe is installed up through the ceiling. At this point, you must install a firestop spacer.

Installing the Firestop Spacer in the Ceiling Hole

A firestop spacer is used to keep pipe spaced properly and required for safety.

Nail the firestop spacer (at each corner) to the framing members of the ceiling hole. **NOTE:** A firestop spacer is not required at the roof.

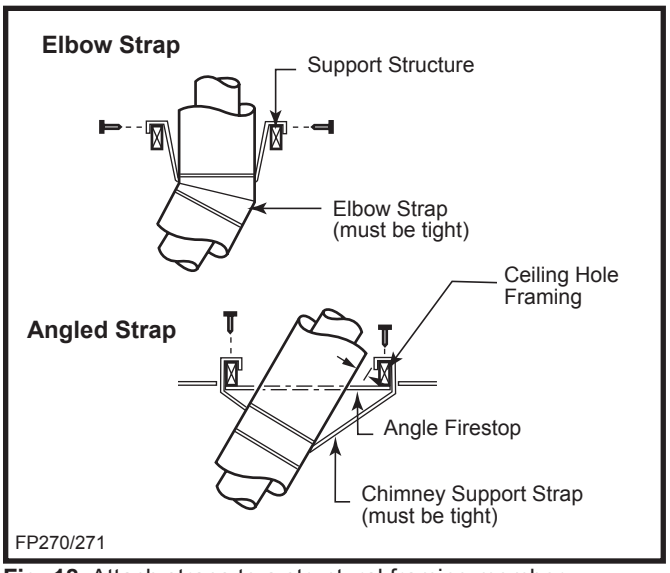


Fig. 18 Attach straps to a structural framing member.

Hole sizes listed in Figure 13 for angled firestop spacers provide minimum required air space to chimney pipe for ceiling thickness up to 8" (203 mm). When combined thickness of ceiling material, ceiling joists and flooring material exceeds 8" (203 mm), adjustments must be made in framing to assure that minimum air spaces to chimney are maintained.

Proper Firestop Spacer Installation

Figure 19 shows different installation procedures for both an area that *is* an attic and an area that *is not* an attic.

If the area above the ceiling **is not** an attic, position the firestop spacer with the flange on the ceiling side and the angled portion extending up into the hole.

If the area above the ceiling **is** an attic, position the firestop spacer with the flange on the top of the framed hole and the angled portion extending down into the hole.

Firestop spacers are not available for nor are they required on vertical walls.

DO NOT put any sealant around the area where the outer pipe slides through the firestop spacer. If you seal this area, **it may cause a fire hazard.**

Canadian Requirements for Insulation Shield

In Canada, an attic insulation shield is required to prevent attic insulation from contacting the chimney section. Framing dimensions for the chimney hole should measure 14½" x 14½" (368 x 368 mm). An attic shield MUST be installed on top of attic joists (above the floor level). (Fig. 20)

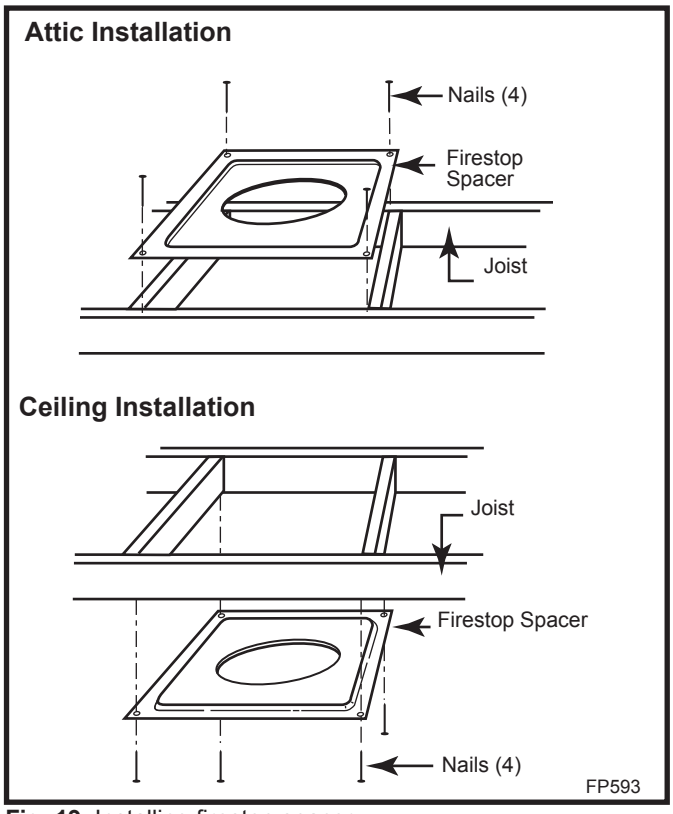


Fig. 19 Installing firestop spacer.

Install the attic insulation shield with the flanges on its base extending down into the framing hole. Nail each corner of attic insulation shield to the framing members of the ceiling hole using 8d nails. Attic shields are not required at the roof.

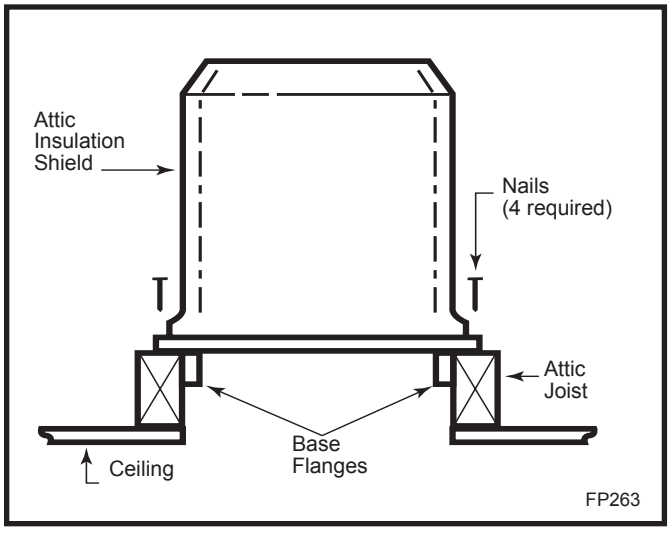


Fig. 20 Attic shield installlation (Canadian requirement).

Continue Installing Pipe to Complete Run

Continue attaching pipe sections to complete system to next level always being careful that the pipe is firmly snapped locked in place before proceeding to next pipe section.

Chimney Supports

If chimney supports are required, they are installed the same as elbows. Nail chimney support straps to adjacent structural framing, as shown on, Page 9, Figure 10. Bend straps as necessary and make sure they are secure so they will support the weight of the chimney. A chimney support is 2½" (64 mm) long when installed. Consider this dimension when determining how many straight chimney sections are needed.

NOTE: Chimney supports are generally used in long runs in a chase installation.

Additional Ceilings

If you encounter additional ceilings, repeat same steps required for first ceiling installation. Refer to firestop illustration on Figure 19.

Penetrating the Roof

Run pipe to roofline. Since chimney system must be vented to the out-of-doors, you **must** use an approved CFM Corporation termination.

If a chase is used, refer to the installation manual provided with the termination cap.

Locate Chimney Centerpoint On Roof

Use same procedure detailed in locating centerpoint of the flue system.

Drive a nail up through roof at the center point. This will determine center point on outside of the roof.

Cut and Frame Roof Hole

Size of roof hole varies with the type of chimney termination installed. Refer to installation instructions provided with CFM Corporation chimney termination to find correct size of roof hole.

There must be a 1½ (38 mm) air space between outermost portion of chimney sections and any adjacent combustible surfaces. (Combustible surfaces include burnable materials such as: ceiling members, joists, flooring, combustible insulation and roof structures.)

WARNING: DO NOT PACK REQUIRED AIR SPACES WITH INSULATION OR OTHER MATERIALS.

Mark an outline of the roof hole around the center of the point nail. **NOTE:** Hole dimensions given in the chimney top installation instructions are **horizontal** dimensions; therefore, the hole size must be marked on the roof accordingly.

Cover the opening of the installed chimney so debris cannot get into the system.

Cut and frame the hole. It is good practice to use framing lumber that is the same size as the rafters. Install the frame securely because the chimney top and flashing anchored to the frame must be able to withstand heavy winds.

Install Remainder of Chimney Sections

Since you have already preplanned the height of your termination according to the *Ten Foot Rule*, continue to install pipe to the predetermined height.

Check the chimney top installation instructions for details on how high above the roof top the chimney sections (all pipes) should extend.

Installing Top Housing or Termination

Follow the installation instructions provided with the chimney termination you have selected.

Installing Chimney In a Chase

Refer to Page 5, Figure 5 for an illustration of a typical chase installation.

CAUTION: Treatment of firestop spacers and construction of chase may vary with type of building. These instructions are not a substitute for local building codes. You **must** check your local building codes to determine specific requirements for your city or state. **NOTE:** Other building materials may be required in addition to CFM Corporation Firestop Spacers.

Finishing

CAUTION: All joints between the finished wall and the fireplace surround (top/sides) must be sealed with non-combustible material to prevent cold air leakage into the room. Only noncombustible material may be applied to the facing of the fireplace surround. (Black painted area) (Fig. 21)

Finish Wall

Finish the wall with material of your choice. **Do not install a combustible mantel shelf less than 12" (305 mm) from the top of the fireplace opening. Do not install a mantel face plate less than 6" (159 mm) from top of fireplace opening. (Fig. 23)** If a combustible material is used below a flat mantel shelf, consult your local building codes for minimum clearance from top of fireplace opening to bottom of mantel shelf.

All joints (top, bottom and sides) where wall or decorative facing material meets fireplace surround must be completely sealed with a noncombustible material. (Figs. 22 and 23)

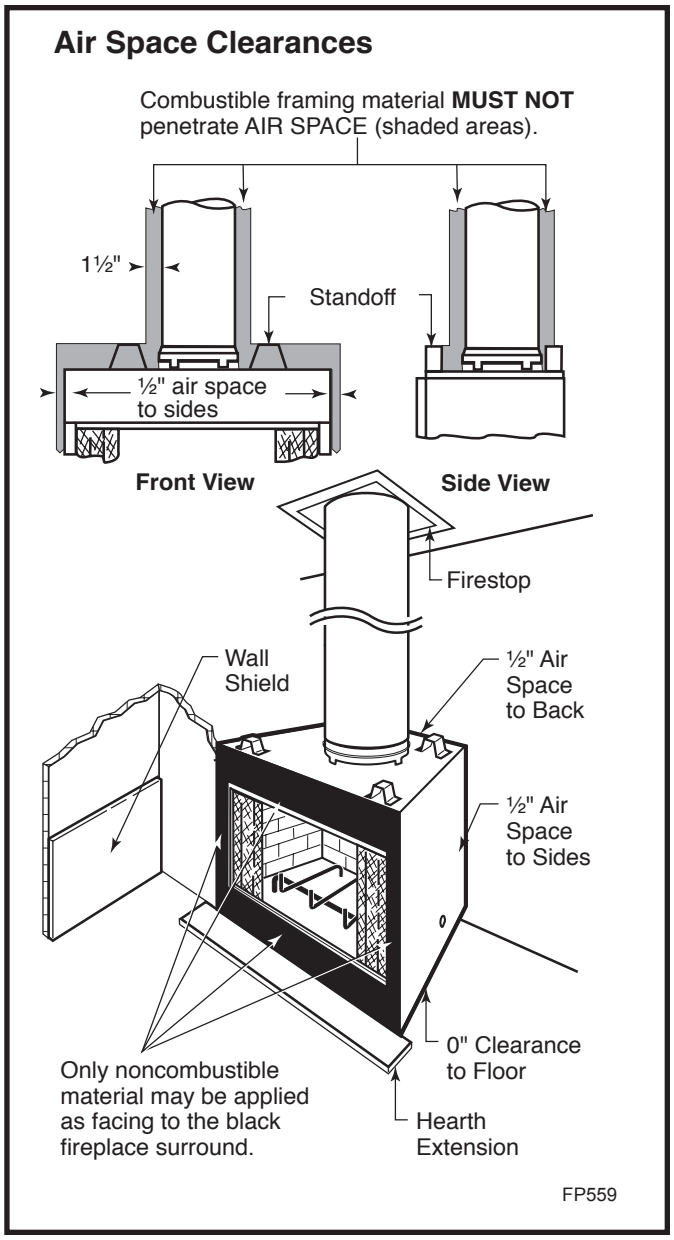


Fig. 21 Minimum clearances to combustibles.

NOTE: No side wall protection is required for fireplaces installed at 45° to two (2) side walls (corner installation).

Often a decorative surround or vertical portion of the mantel is desired. If this is constructed of any combustible material it must be within the safe zone indicated in Figure 24.

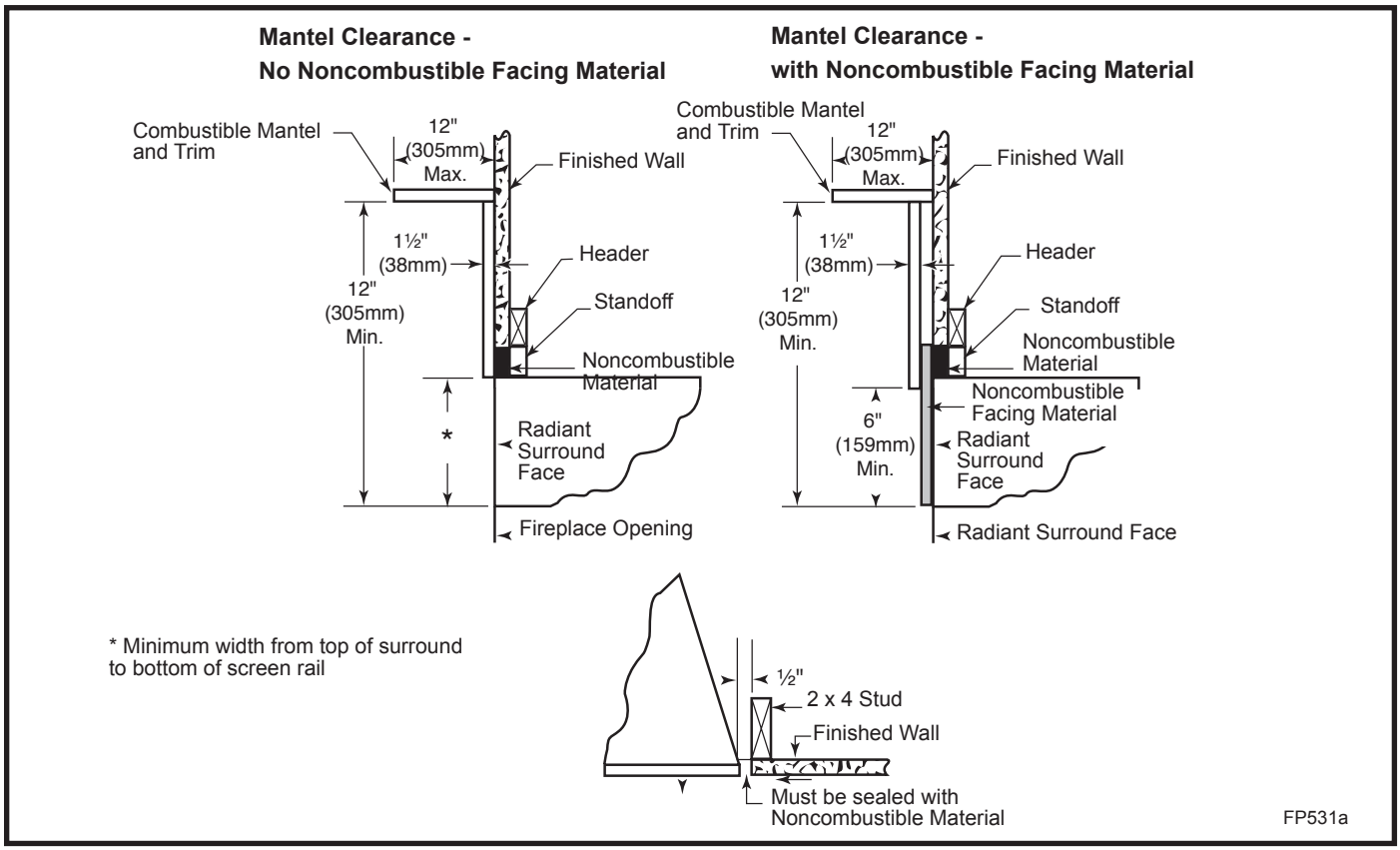


Fig. 22 Mantel clearances.

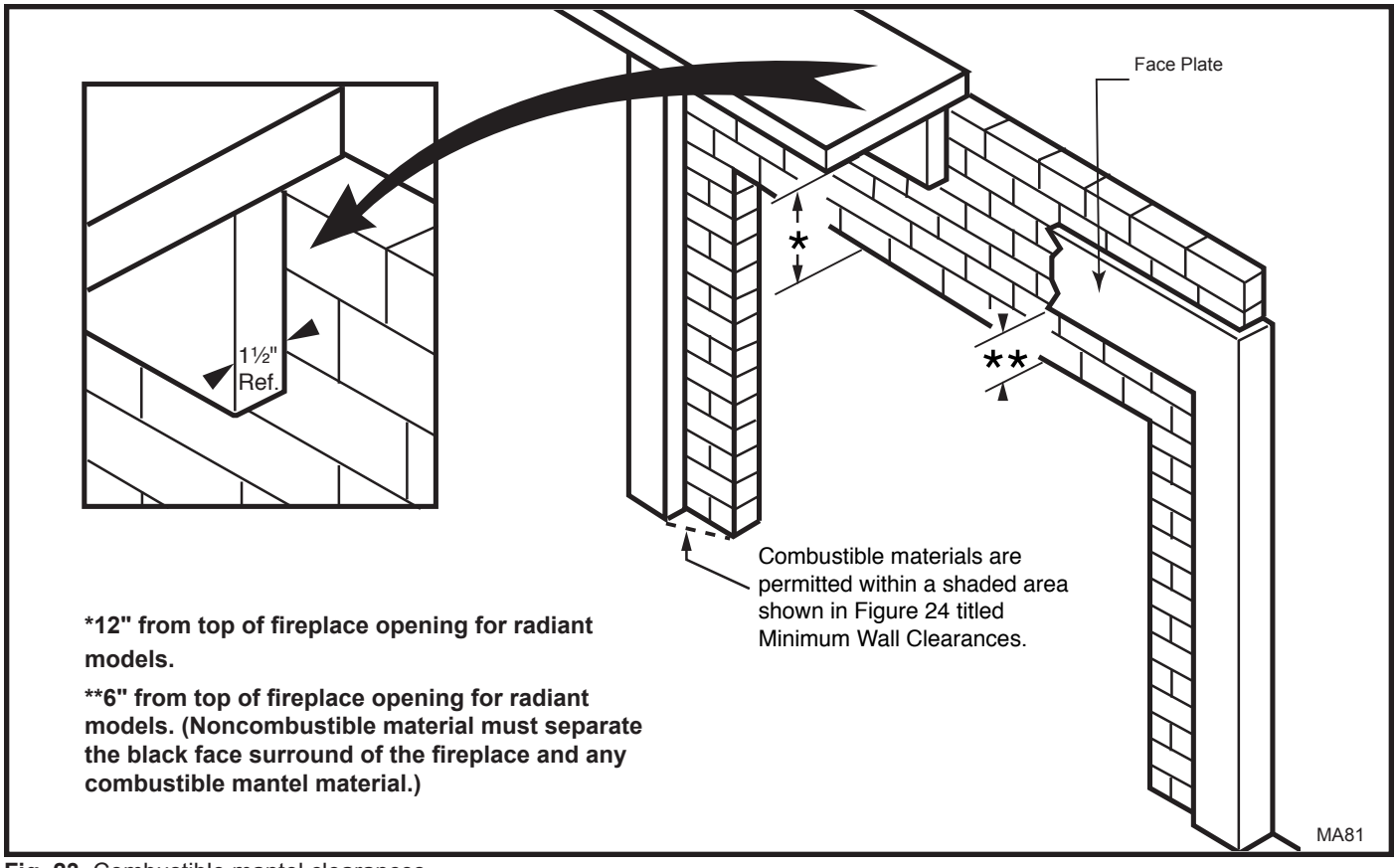

Face Plate
1½" Ref.
*
**
Combustible materials are permitted within a shaded area shown in Figure 24 titled Minimum Wall Clearances.
*12" from top of fireplace opening for radiant models.
**6" from top of fireplace opening for radiant models. (Noncombustible material must separate the black face surround of the fireplace and any combustible mantel material.)
MA81

Fig. 23 Combustible mantel clearances.

Side Wall Protection

Adjacent combustible side walls that are within the minimum dimensions shown in Figure 24 of fireplace opening must be protected with CFM Corporation Wall Shield Model SP40 or a specifically built wall shield described below.

The special wall shield design described in Figure 20 is an alternate method of adding protection to side walls and can be used in place of the SP40 with the same wall clearances specified for the SP40. Rt must =1.85 minimum.

Examples of wall shield insulation:

1. Manville - CERAFORM 126, K=.27, 1/2 inches thick
2. Majestic - EH2416, K = .458, 1 inch thick required.

Hearth Installation

A hearth extension is required to protect a combustible floor in front of the fireplace. Refer to Figure 24 for minimum dimensions and mounting detail.

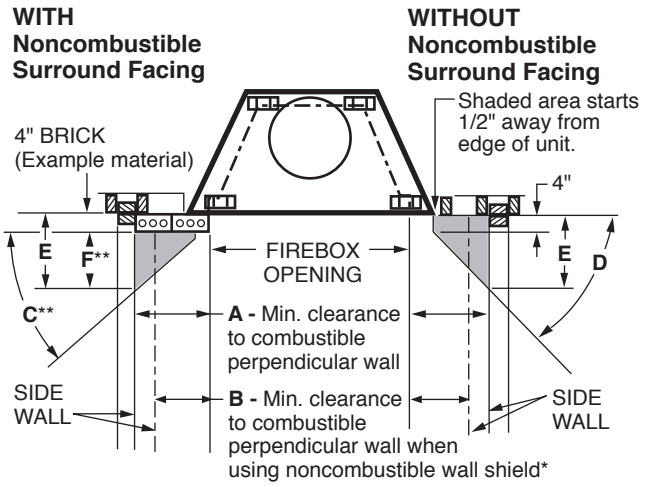
NOTE: Hearth Extension must not cover the air inlet opening of a fireplace.

The hearth extension described in Figure 24 must be a durable noncombustible material with a minimum (total) Rt value of 1.09; refer to Figure 25 for examples. The overall height (above a combustible floor), depth and width must be as indicated, with the extension centered to the fireplace opening.

The top of insulation must be covered with a noncombustible decorative covering **or** a piece of .018" minimum sheet metal, to protect hearth extension material. (Fig. 24)

Secure the hearth extension to the floor to prevent shifting, using trim molding or other similar means at three (3) outer edges. Seal crack between the fireplace hearth and hearth extension with a noncombustible material. (Figs. 24 and 26)

Minimum Wall Clearances



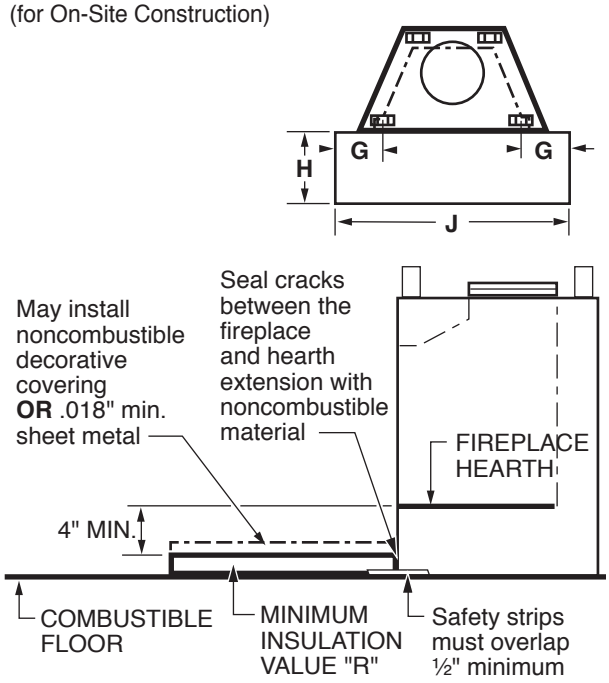
Combustible material permitted within shaded area.

* Noncombustible wall shield requires 1" CFM Corporation EH2416 insulation (minimum R Value = 1.85) between decorative noncombustible rigid covering and combustible wall. Minimum height and width is 40" x 40".

** Dimension/degree of angle will vary depending on thickness of noncombustible surround facing.

Minimum Hearth Extension Dimensions

(for On-Site Construction)



	A	B	C	D	E	F	G	H	J
ODSR36A	16" 406 mm	12" 305 mm	48°	41°	18" 457 mm	14" 356 mm	7¾" 197 mm	16" 406 mm	48" 1219 mm
ODSR42A	20" 508 mm	12" 305 mm	42°	35°	18" 457 mm	14" 356 mm	11½" 292 mm	20" 508 mm	61½" 1562 mm

FP594

Fig. 24 Combustible side wall protection and hearth extension dimensions.

COMMON MATERIALS AND FACTORS

MATERIAL	K*	R	MINIMUM THICKNESS
EH2416 *(CFM Corporation)*	0.458	1.09	**0.50** in.**
Common Brick	5.0	0.10	5.46 in.**

R Value is for 1/2 inch.
* Units of K = BTU/SQ FT/HR/˚F/IN
** Thickness of Listed Material

FP533ADD

Fig. 25 Hearth extension material factors.

WARNING: HEARTH EXTENSION MUST BE INSTALLED IN ACCORDANCE WITH FIGURE 25 AND MUST NOT COVER THE BOTTOM FRONT OPENING OF THE CIRCULATING MODEL.

Alternate noncombustible materials may be used providing the (total) thermal resistance (Rt value) of the alternate material employed is greater than or equal to R = 1.09. Thermal resistance (R) or thermal conductivity (K), may be obtained from manufacturer of the material. Factors are related by the formula K = 1/R.

T = given thickness
R = thermal resistance for a given thickness (T)
K = thermal conductivity

Noncombustible material with a lower R value may be used, provided thickness of material is sufficiently greater to maintain an equivalent (total) thermal resistance (Rt).

Example of Determining Hearth Extension Equivalents

To determine the thickness required for any **new** material:

$$\text{NEW required thickness} = \frac{\text{K of new material (per inch)}}{\text{K of listed material (per inch)}} \times \text{Thickness of listed material}$$

Example for Common Brick

T (new) = 5.0/0.458 x 0/50 in. = **5.46 in.** (new required thickness).

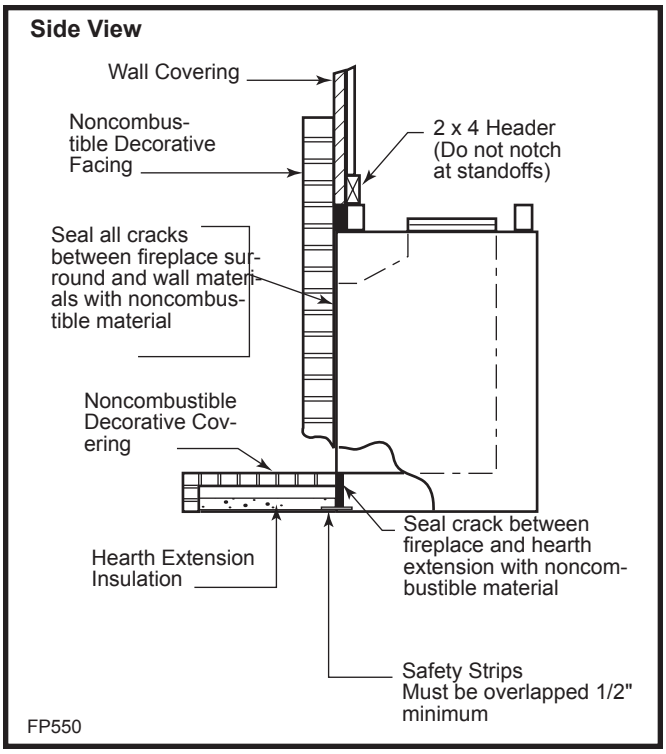


Fig. 26 Sealing gaps.

Installing Line for Gas Logs

Majestic Fireplaces' fireplaces are designed to accept a 1/2" (13 mm) gas line for installation of an approved gas appliance. (CFM Corporation manufactures a wide variety of gas logs for use in Majestic Firepalces.)

Be sure to have the appliance installed in accordance with building codes.

Gas connection may enter from either left or right side of the fireplace.

Locate appropriate gas line in the outer casing of fireplace and remove insulation from gas line tube. (Fig. 27)

From inside the fireplace, locate the knockout on the firebrick -- be sure you are on the appropriate or "gas line" side of the fireplace. Using a flat bladed screwdriver or small chisel and hammer, carefully tap around the knockout until it loosens and falls out.

Install 1/2" (13 mm) certified gas pipe through opening. After gas pipe installation is complete, use insulation that was removed from gas line tube to repack space around the pipe. Material should be inserted from outside of the fireplace and packed tightly to totally seal between the pipe and tube.

NOTE: Gas pipe should not come in contact with any wood structures until it has reached a point at least one (1) inch away from fireplace side.

NOTE: When installing an ANSI Z21.11.2 ventless appliance the finishing material used for the mantel must be rated at 250°F or greater.

BTU input of a gas appliance installed in fireplace should be rated less than 100,000 BTU/Hr.

Gas pipe installation is intended for connection to a decorative gas appliance only when (1.) incorporating an automatic shutoff device and (2.) complying with the Standard for Decorative Gas Appliances for Installation in Vented Fireplaces (ANSI Z21.60) **or** CSA draft requirements for Gas-Fired Log Lighters for Woodburning Fireplaces (Draft No. 4, August 1993).

Decorative gas appliance should be installed in accordance with the National Fuel Gas Code, ANSI Z223.1/ NFPA 54 (latest edition).

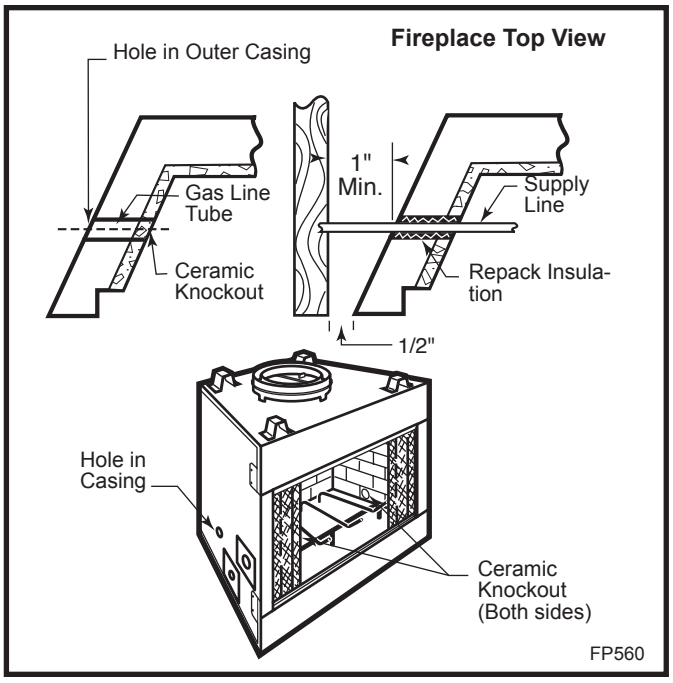


Fig. 27 Gas line access.

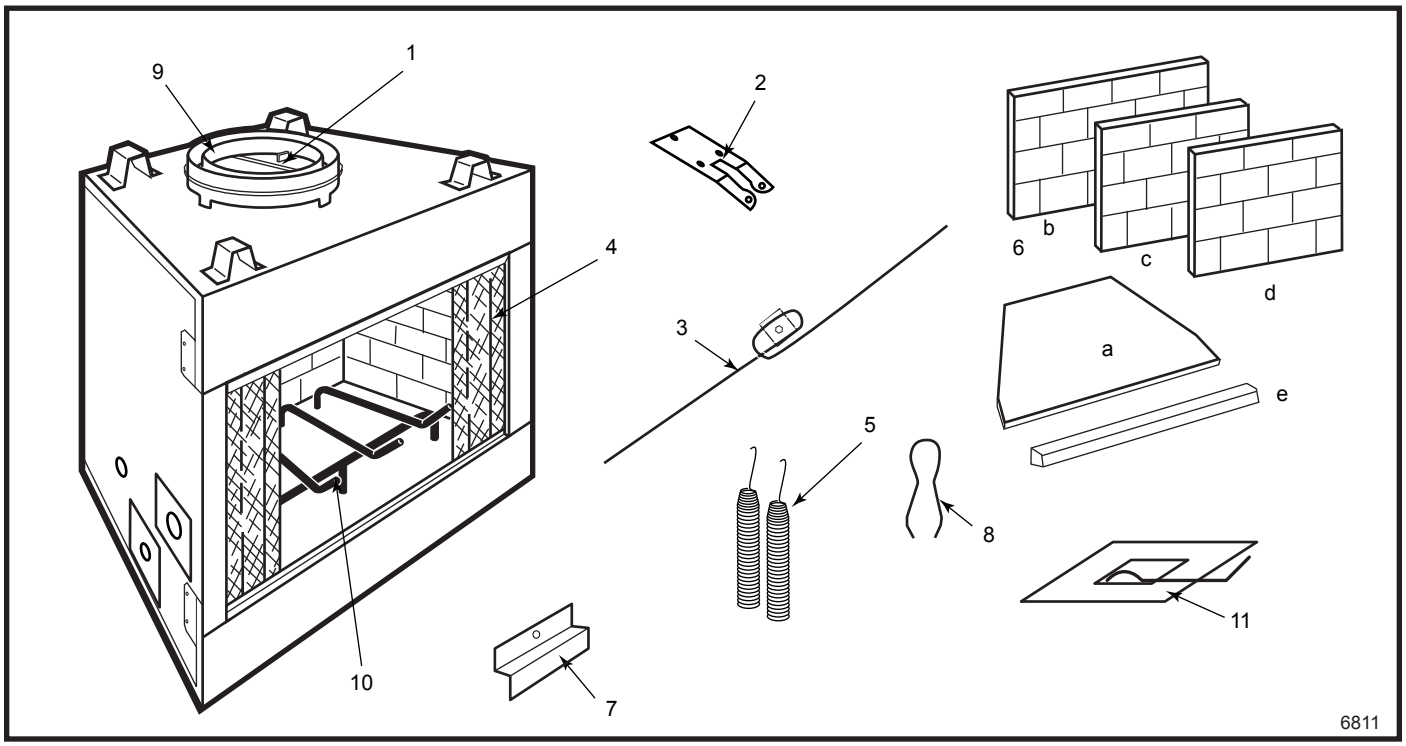
CAUTION: WHEN USING DECORATIVE GAS APPLIANCE, FLUE DAMPER MUST BE SET IN FULLY OPEN POSITION. IF YOU HAVE GLASS DOORS ON THE FIREPLACE, THEY MUST ALSO BE FULLY OPENED.

WARNING: DO NOT OPERATE AN UNVENTED GAS LOG SET IN THIS FIREPLACE WITH THE CHIMNEY REMOVED.

WARNING: WHEN INSTALLING AN UNVENTED AS LOG SET, THE CFM CORPORATION MODEL AH3244BK OR AH3244PB 4" ADJUSTABLE HOOD MUST BE USED.

If installing an unvented gas log set, refer to statement below:

> Only unvented gas logsets which have been found to comply with the Standard for Unvented Room Heaters, ANSI Z21.11.2, are to be installed in this fireplace.



CFM Corporation reserves the right to make changes in design, materials, specifications, prices and discontinue colors and products at any time, without notice.

ODSR36A/42A Outdoor Woodburning Fireplace

Item/Model Number	ODSR36A	ODSR42A
1. Damper Weld Assembly	RP199	RP199
2. Damper Bracket	3030176	3030176
3. Screen Rod Assembly	20006805	20006863
4. Screen Assembly (two per fireplace)	20006583	20006861
5. Screen Pulls	20002225	20002225
6a. Firebrick - Hearth	20005621	20005421
6b. Firebrick - Rear	20005627	20005462
6c. Firebrick - Right Side	20005626	20005461
6d. Firebrick - Left Side	20005625	20005460
6e. Firebrick - Ashlip	20005619	20005418
7. Top Brick Retainers (three per fireplace)	3030172	3030172
8. Cable Clips (four per fireplace)	20006869	20006869
9. Outer Collar Assembly (SK8 Chimney)	3030143	3030143
10. Basket Grate	20006701	20002230
11. O.S.A. Assy.	20003076	20003076

Accessories

The following accessories for this appliance are available from your local Majestic Fireplaces distributor. Should you need additional information beyond what your distributor can furnish, contact: CFM Corporation, 2695 Meadowvale Blvd., Mississauga, Ontario, Canada L5N 8A3, Attn: Technical Services.

CAUTION: This fireplace and chimney assembly is a highly engineered system, and, as such, must be operated only with CFM Corporation approved components. If you use an unapproved component to make any modifications, you may create a possible fire hazard and will void the CFM Corporation warranty. In addition, such action may void the coverage provided by the owner's insurance.

Accessory	Description		Model Number
Glass Door — Standard	Bi-Fold door set	Brushed Brass finish	36GDKBBSR (ODSR36A) 42GDKBBSR (ODSR42A)
		Black finish	36GDKBKSR (ODSR36A) 42GDKBKSR (ODSR42A)
		Polished Brass finish	36GDKDBSR (ODSR36A) 42GDKDBSR (ODSR42A)
		Pewter finish	36GDKSSR (ODSR36A) 42GDKSSR (ODSR42A)
		Stainless Steel	36GDKSSSR (ODSR36A) 42GDKSSSR (ODSR42A)
Outside Air Kit	Complete kit for connection from fireplace to out-of-doors		AKU1
Chimney Adapter	Converts fireplace to 3-wall system		TWABR
Hearth Extension Insulation	Provides hearth extension floor protection		EH2416
Hearth Patch Compound	Patch cracks in hearth		HPC-1

Contact your Majestic Fireplaces distributor or dealer for finishing Marble and Mantels, available in a wide selection of styles.

Chimney Components

U.S.

Component	Description	Model Number
Round Top Termination	Top used to terminate chimney at roof. (Flashing not included.)	RLTSK8
Round Top Termination - Extended	Top used to terminate chimney at chase. (Flashing not included.)	RLTSK8L
Flashing	Metal finishing required around Contemporary Termination to prevent rain leakage.	8-6-12 with 8" flue: 0-6/12 pitch 8-12-12 with 8" flue: 6/12-12/12 pitch
Square Termination Housing	Top housing of simulated brick pattern available in red, tan or white. Appropriate adapter required. Flashing included.	S20B (R, T, W) Must also include: PLTSK8 or SLTSK8
Adapter Kit	Unites Square Termination with chimney pipe (required).	CF8CA
Housing Extensions	Extends Square Termination on steep pitched roofs.	202036
Square Chase Termination	Housing used to terminate chimney through a chase top. Appropriate adapter required. (Flashing not included.)	CT100
Adapter Kit	Unites Square Chase Termination with chimney pipe (required).	CTSK
Chase Top Housing	Low profile pyramid-style chimney cap used to terminate chimney through a chase. Includes adapter. (Flashing not included.)	PLTSK8
Chase Top Housing	Square chimney cap used to terminate chimney through a chase. Terra Cotta Masonry. Includes adapter. (Flashing not included.)	SLTSK8
SK8 Chimney Sections	Pipe used to build 8" (SK8) flue systems.	SK81 (1' Long) SK818 (1½' Long) SK83 (3' Long) SK84 (4' Long)
SK8 Chimney Elbows	Elbow used to create an offset in an 8" chimney system. Only 30˚ elbows available. Packaged 2 per carton (offset and return).	SK830-2
Firestop	Required at each floor level of chimney installation. (Plus attic on multi-story installation.)	SKFS2A — (8" straight flue) SKFS6A — (8" 30˚ inclined flue)
Chimney Support	Used to support chimney for each of: 30' vertical height and 6' of angled chimney run.	SKCS8

(Chimney Components con't.)

Canada

Component	Description	Model Number
Chimney Collar Enclosure	Installs on the "over the chimney collar" of the fireplace; provides outside air to assist in cooling the chimney system.	CCE-SK
Attic Insulation Shield	Used to prevent insulation from coming in contact with the chimney system.	AIS-SK
SK8 Chimney Sections	Used to build chimney systems exposed above roof.	SK818CAN (1½' Long) SK84CAN (4' Long)
45˚ Chimney Elbows	Provides 45˚ offset and return. For Canadian installations only. For use with SK8 chimney only. (Maximum use of 2, or 1 pair.)	SK845/2

LIMITED WARRANTY & 30 YEAR PROTECTION PLAN

For MAJESTIC FIREPLACES® PRE-ENGINEERED Fireplace Systems

CFM Corporation warrants its MAJESTIC FIREPLACES® Pre-Engineered Fireplace ("Fireplace") and the CFM Corporation supplied firegrate, glass doors, outside air system, fan motor, and liners to be free from defects in material or workmanship, as follows:

A. Fireplace and Chimney Components: (exclusive of CFM Corporation-supplied firegrate, glass doors, outside air system, fan motor, and liners all of which are covered by separate warranties under paragraphs B through D below): At its option for a period of thirty (30) years from the date the Fireplace is installed, CFM Corporation will;

(1) For a period of five (5) years from the date the Fireplace is installed, CFM Corporation, at its option, will repair or replace any defective part without charge.

(2) Thereafter, through the 10th year after the date the Fireplace is installed, if replacement parts are available, CFM Corporation will provide a replacement for any defective part without charge for the part itself. The consumer must pay for everything else other than the part.

(3) Thereafter, through the 30th year after the date the Fireplace is installed, if replacement parts are available,CFM Corporation will provide a replacement for any defective part at a cost to the consumer of CFM Corporation then current list price, FOB CFM Corporation factory.

B. Firegrate, Glass Doors, Outside Air System:
For a period of 90 days from the date the Fireplace is installed CFM Corporation, at its option, will provide a replacement for any defective part, without charge for the part itself, FOB CFM Corporation factory, (The consumer must pay for everything else other than the part,).

C. Fan Motor:

(1) For a period of one (1) year from the date the Fireplace is installed, CFM Corporation, at its option, will repair or replace any defective part without charge.

(2) Thereafter, through the 30th year after the date the Fireplace is installed CFM Corporation, at its option, if replacement parts are available, will provide a replacement for any defective part at a cost to the consumer of CFM Corporation then current list price, FOB CFM Corporation factory.

D. Liners (Refractory or Metal):

(1) For a period of two (2) years from the date the Fireplace is installed, CFM Corporation, at its option, will repair or replace any defective part without charge.

(2) Thereafter, through the 30th year after the date the Fireplace is installed CFM Corporation, if replacement parts are available, will provide a replacement for any defective part at a cost to the consumer of CFM Corporation then current list price, FOB CFM Corporation factory.

This warranty is subject to the following conditions and limitations:

(1) This warranty is extended only to a Fireplace installed in the continental United States, the state of Alaska and Canada; only if and so long as the Fireplace is installed according to the installation instructions furnished with the Fireplace, and operated at all times under normal conditions, use and service according to the operative instructions furnished with the Fireplace, and only if and so long as the Fireplace is not removed from its original installation.

(2) This warranty is non-transferrable, and is made to the original owner, provided that the purchase was made through an authorized supplier of the Company.

(3) The sole and exclusive remedies for breach of any warranties hereunder shall be for the repair, replacement or provision of a replacement part at CFM Corporation then current list price, FOB CFM Corporation factory, for any defective part as specified in paragraphs A through D.

(4) CFM Corporation shall not be liable for damage from any smoking of a MAJESTIC FIREPLACES Pre-Engineered Fireplace System related to environmental geographic conditions (such as, for example, nearby structures or roof peaks, trees, hills, or mountains), inadequate ventilation, or negative air pressure in the place where the Fireplace system is installed, related to any mechanical system (such as, for example, furnaces, fans, air conditioners, clothes dryers, etc.)

(5) Except as otherwise expressly specified in paragraphs A through D, NONE OF THESE WARRANTIES COVER, AND CFM CORPORATION SHALL NOT BE RESPONSIBLE FOR, ANY CONSTRUCTION, INSTALLATION, LABOR, TRANSPORTATION OR OTHER COSTS OR EXPENSES ARISING FROM A DEFECTIVE PART, ITS REPAIR OR REPLACEMENT OR OTHERWISE, NOR SHALL CFM CORPORATION IN ANY EVENT BE RESPONSIBLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES EXCEPT TO THE EXTENT REQUIRED BY LAW. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion or limitation may not apply to you.

NO IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL REMAIN IN EFFECT AFTER THE EXPIRATION OF THE WARRANTIES SET FORTH IN PARAGRAPHS A THROUGH D. Some states do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you.

In order to obtain performance of any of the above warranty obligations write to CFM Corporation at this address:

CFM Corporation
2695 Meadowvale Blvd.
Mississauga, Ontario, Canada L5N 8A3
Attention: Director of Warranty Services

Since local building requirements may vary greatly throughout the country, users of CFM Corporation products should determine in advance whether there are any building code restrictions on the use of a specific product. CFM CORPORATION MAKES NO REPRESENTATION OR WARRANTY REGARDING, AND SHALL NOT BE RESPONSIBLE FOR, ANY BUILDING CODE COMPLIANCE.

The foregoing warranties give you specific legal rights and you may also have other rights which vary from state to state.

CFM Corporation

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